QC-ABSTRACT

Name of Work:- "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	Materials	–	1	1	Cement
					Sand, Aggregates
2	M15	11.35 Cum	2	2	Concrete Cube Compressive Strength
3	Hollow Poles	457.19 sqm	1	1	-

Cubes

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set

Add 1set for every 50 Cum

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date: 24.06.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri.G.Venkate Gowda ,** Contractor, Bangalore.
NAME OF THE WORK	:	"Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."
SAMPLE ID	:	Cement (Birla OPC 53 Grade)
DATE OF MANUFACTURE		May-2022
DATE OF TESTING		22.06.2022 to 24.06.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	342 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date : 24.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.G.Venkate Gowda , Contractor, Bangalore.**

Name of Work :"Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	95	9.50	9.50	90.5	90-100
2.36	132	13.20	22.70	77.3	75-100
1.18	191	19.10	41.80	58.2	55-90
600 Micron	168	16.80	58.60	41.4	35-59
300 Micron	251	25.10	83.70	16.3	8-30
150 Micron	135	13.50	97.20	2.8	0-10

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23

Date : 24.06.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency :Sri.G.Venkate Gowda , Contractor, Bangalore.

Name of Work :"Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	25	2.50	2.50	97.5	90-100
1.18	32	3.20	5.70	94.3	70-100
600 Micron	89	8.90	14.60	85.4	40-100
300 Micron	251	25.10	39.70	60.3	5-70
150 Micron	485	48.50	88.20	11.8	0-15

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Date : 24.06.2022

Job No.: CACE/BBMP/GVG/W.No.03/2022-23

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.G.Venkate Gowda , Contractor, Bangalore.**

Name of Work :"Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	195	3.9	3.9	96.1	95-100
10	2465	49.3	53.2	46.8	25-55
4.75	1903	38.1	91.3	8.7	0-10

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date : 24.06.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.G.Venkate Gowda , Contractor, Bangalore.**

Name of Work : "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Date of Testing : 24.06.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	174	1.16	1.16	98.84	95-100
20	7994	53.29	54.45	45.55	30-70
10	3096	20.64	75.09	24.91	10-35
4.75	2999	19.99	95.09	4.91	0-5

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For CIVIL AIM CONSULTANTS & ENGINEERS

Srikanth

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date :24.06.2022

TEST REPORT OF GALVALUME

Client: Assistant Executive Engineer, Yelahanka Satellite Town Sub BBMP, Bangalore.

Address: Sri.G.Venkate Gowda , Contractor, Bangalore.

Name of Project: "Improvements and Development of Sangoli Rayanna Park ii Ward No.03 of Yelahanka Satellite Town sub division."

Sample Identification 20*20mm rod

Reference BIS Codes: IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008

Date of test: 24.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	597
2	Yeild Strength, N/mm^2	523

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Srikanth

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date :24.06.2022

TEST REPORT OF GALVALUME

Client:	**Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**
Address:	**Sri.G.Venkate Gowda , Contractor, Bangalore.**
Name of Project:	"Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."
Sample Identification	50*6mm
Reference BIS Codes:	IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008
Date of test:	24.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	635
2	Yeild Strength, N/mm^2	528
3	Thickness mm	6.24

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23

Date :24.06.2022

TEST REPORT OF GALVALUME

Client: **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Address: **Sri.G.Venkate Gowda , Contractor, Bangalore.**

Name of Project: "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample Identification 72*72*4.8mm

Reference BIS Codes: IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008

Date of test: 24.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	614
2	Yeild Strength, N/mm^2	524
3	Thickness mm	4.84

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23

Date :24.06.2022

TEST REPORT OF GALVALUME

Client: Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address: Sri.G.Venkate Gowda , Contractor, Bangalore.

Name of Project: "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample Identification Flat 12*75mm

Reference BIS Codes: IS 277:2003, IS 6745:1972, IS 1608:2005, IS 1786:2008

Date of test: 24.06.2022

SL. NO.	TESTS	RESULTS
1	Tensile Strength, N/mm^2	583
2	Yeild Strength, N/mm^2	507
3	Thickness mm	12.08

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date: 07.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : Sri.G.Venkate Gowda , Contractor, Bangalore.

Name of the work : "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.162	287.2	12.76
2	30.06.2022	07.07.2022	8.174	291.7	12.96
3	30.06.2022	07.07.2022	8.181	295.8	13.15

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23

Date: 28.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : Sri.G.Venkate Gowda , Contractor, Bangalore.

Name of the work : "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.175	375.2	16.68
2	30.06.2022	28.07.2022	8.163	378.7	16.83
3	30.06.2022	28.07.2022	8.157	383.1	17.03

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Job No.: CACE/BBMP/GVG/W.No.03/2022-23 Date: 07.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : Sri.G.Venkate Gowda , Contractor, Bangalore.

Name of the work : "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	07.07.2022	8.145	288.6	12.83
2	30.06.2022	07.07.2022	8.157	284.1	12.63
3	30.06.2022	07.07.2022	8.139	279.7	12.43

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client :**Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.**

Agency : **Sri.G.Venkate Gowda , Contractor, Bangalore.**

Name of the work : "Improvements and Development of Sangoli Rayanna Park in Attur Ward No.03 of Yelahanka Satellite Town sub division."

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2022	28.07.2022	8.172	377.6	16.78
2	30.06.2022	28.07.2022	8.181	381.9	16.97
3	30.06.2022	28.07.2022	8.188	389.7	17.32

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